1	A And my answer was: I think not.
2	I think what I would have done is I would have
3	checked and probably you know, and I'm just
4	speculating same way Dr. Christensen found these
5	errors, I would have found errors as well.
6	Q When he submitted this study in May 1994, he
7	had not found these errors; isn't that right?
8	A I don't know, but think that's correct.
9	Q Capital inputs: We talked about that a few
10	moments ago; right?
11	A Okay.
12	Q I wasn't clear on what you were saying.
13	Did you agree that you compare changes in
14	capital stock over a defined period of time as part of a
15	productivity study?
16	A Changes in capital stock.
17	I guess if now, it does matter whether
18	you're doing a monthly or an annual or a five-year kind
19	of study.
20	If the capital stock is fixed, say, during a
21	period, or can be treated as being fixed during that
22	period, you could look at changes in the capital stock,
23	but you have to be very careful about saying that.
24	I prefer to think of capital as physical items
25	and then ask the question can you aggregate these up to
26	monetary items. So can you use their values deflated in
27	some way to stand for them.
28	The measurement of capital is a tough one, is

1	a tough problem.
2	If you're looking at a longer run situation
3	where capital can be viewed as variable, then you would
4	use the costs of capital, or the prices of capital.
5	Q Were you here when Dr. Christensen testified
6	last Wednesday?
7	A In and out.
8	Q Do you recall my discussion with him about
9	reproduction costs of capital inputs?
10	A No.
11	Q Do you know what the term reproduction costs
12	means?
13	A I can think of a definition, but why don't you
14	tell me what you mean? No?
15	Q I'm just asking you if you know what it
16	means.
17	A I can think of a definition.
18	Q Would you give us what your definition is of
19	the term?
20	A Of reproduction costs of capital? Would be
21	the costs of buying, on a competitive market, a piece of
22	capital that would reproduce the functionality, if you
23	will, of a given other piece of capital that's currently
24	in your portfolio capital.
25	Q Dr. Christensen, in response to several of my
26	questions, first stated that in his TFP study the
27	comparison of changes in capital stock had not looked at
28	reproduction costs, but then after a break came back and

1	told me	that in fact he had looked at reproduction
2	costs.	
3		Are you aware of that?
4	Α	I know there was some question about whether
5	he had	used reproduction costs or not, because we looked
6	to see v	vhat we were using.
7		We were using reproduction costs.
8	Q	In determining reproduction costs of a capital
9	stock ba	ase, you have to make certain assumptions, don't
10	you?	
11	Α	Yes.
12	Q	What types of assumptions might you have to
13	make i	n analyzing reproduction costs?
14	Α	What kind of capital are we talking about?
15	Q	Well, local exchange company capital.
16	Α	Specifically what? The switch
17	Q	Physical equipment that a local exchange
18	compai	ny uses to provide telecommunications services.
19	Α	What assumptions would one have to make?
20	Q	Well, for example, if this isn't clear enough,
21	would	you have to decide whether to replace your
22	existing	g capital stock at current prices or replace it
23	with cu	arrent technology?
24	Α	If you're taking the long-run approach that
25	I'm tal	king about, you would simply use the current
26	reprodu	action prices of capital that would have
27	reprodu	uced that functionality.
28	Q	That means, just to be clear, that you would

1	determine what the current market price is of the
2	existing capital, and that would be the current
3	reproduction price?
4	A On the margin. On the margin. These are for
5	marginal changes.
6	Q But assuming that we're talking about on the
7	margin, that's correct, is it not?
8	A Well, no, you don't go back and replace your
9	whole what you want to know is the your
10	productivity, your production, if you will, has changed
11	and your production has changed because the output
12	levels have changed and the input levels have changed
13	and the technology has changed.
14	Now, these input levels have changed a little
15	bit, and they're changed because you dropped out some
16	old capital, and you put in some new capital, and so .
17	presumably your net adds are all going to be new.
18	And so it would be just for that net increment
19	that you added that contributed to the change in
20	production, because presumably the old capital is still
21	chugging along doing whatever it's doing. So it's only
22	that little increment that you should be worried about.
23	So I would use the current prices for that
24	little increment that you just purchased.
25	Q If somebody performed the analysis that
26	generated the reproduction costs for you and provided
27	you with those reproduction costs, would you want to
28	know what method they had used to calculate the

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1	reproduction costs?
2	A Yes.
3	Q You would ask them that, wouldn't you?
4	A I would probably say I want reproduction
5	costs I want to know what it would cost to do the
6	following, okay, and I would expect that they would find
7	that information the way I asked them to.
8	Q So you would specify the methodology?
9	A Yeah, I would probably specify the
10	methodology, and I might have to talk to them a bit.
11	I might say, well, I wanted it this way, and
12	they'd say, well, that's not the way you find out these
13	things.
14	So after trying to get a common opinion of how
15	to get at these particular kinds of information, then I
16	would say, okay, everybody you know, this is assuming
17	that we're working with a large number of companies
18	okay, can you provide me the data in this fashion, and
19	if they can, then fine.
20	Q If you had the seven RBOCs as the basis of
21	your study, you would ask this question or specify this
22	methodology to each of them, is that right?
23	A Yes. Or I might try and figure out a priori
24	if it was possible to get at the information without
25	bothering them at all.
26	Q Would it be important to you that the same
27	methodology be used consistently across each of the
28	RBOCs in calculating reproduction costs?

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1	A No. But that's a qualified no. If they're
2	grossly different measurements, okay, you're going to
3	run into problems.
4	If they're slightly different remember, all
5	of these methods we're using take into account that
6	there are errors, there are errors in the data, okay,
7	there are flaws in the design, and the methods that we
8	use are designed to guard against those things.
9	So, yes, you know, it is important that people
10	try to be as consistent as possible, okay.
11	But if they are not truly consistent, the
12	methods that we use have taken that into account, and we
13	know that there are errors, okay, and so we use
14	statistical techniques.
15	That's why you don't just look at one
16	observation; that's why you look at many things. That's
17	why you don't just look at one company. You look at an
18	ensemble and see what happens there.
19	So I would like it if they were consistent.
20	But if you mean do they do precisely everything the
21	same, no. No, I don't require that.
22	I don't expect that, and it doesn't happen.
23	MR. FABER: Your Honor, I am nearing the end of my
24	questions, but I might take another 10 or 15 minutes.
25	Would you prefer to take a break and then let
26	me finish?
27	ALJ REED: If you don't mind, why don't we just
28	take a little break now.

1	MR. FABER: That's fine.
2	ALJ REED: Let's come back at five of.
3	(Recess taken)
4	ALJ REED: On the record.
5	Mr. Faber.
6	MR. FABER: Thank you, your Honor.
7	Q Dr. Duncan, I was asking you a few questions
8	about reproduction costs before we broke, and understand
9	that you would like it if the assumptions used by the
10	seven RBOCs were consistent, but it wasn't absolutely
11	essential, is that right?
12	A That's correct.
13	Q Did you make any effort to determine whether
14	the assumptions used by the RBOCs in Dr. Christensen's
15	study in calculating reproduction costs were consistent?
16	A No, I took them at face value, that in fact
17	they were consistent enough for this kind of analysis.
18	You know, understand, this is this
19	methodology is relatively robust to small changes in the
20	data. So if you have small changes because of small
21	inconsistencies, it's probably not going to change the
22	number too much.
23	So I assumed that, in a broad brush sort of
24	way, that the reporting methodology is the same.
25	Q Did you make any effort to examine
26	specifically any of the data underlying
27	Dr. Christensen's study?
28	A No, I did not.

1	Q when Dr. Christensen submitted his revisions
2	in January of 1995, the update that he attaches to his
3	testimony no, let me strike that and start over.
4	That wasn't a well-phrased start.
5	You told us earlier that you were aware that
6	Dr. Christensen had submitted a study to the FCC in May
7	1994, is that right?
8	A I was aware that he had submitted a study.
9	I don't know when I was, you know, aware of
10	that.
11	Q Were you aware of the existence of that study
12	prior to the time that he updated it in January of this
13	year?
14	A I believe I was.
15	Q You were following Docket 94-1 at the FCC to
16	some extent, is that right?
17	A I wouldn't say I was following it.
18	Just as a matter of course, keeping track of
19	what's happening with productivity throughout the
20	industry.
21	So if something comes up, naturally I would
22	note that it was there for future reference.
23	Q Is it correct that you learned about the 19
24	the January 1995 update after it was submitted to the
25	FCC?
26	A Yes, I would say it was probably it was
27	almost certainly after it was submitted.
28	Q Prior, then, to January of 1995, did you have

1	any knowledge that a number of the items of data
2	reported to Dr. Christensen and used in the May 1994
3	study were inaccurate?
4	A No, I had no
5	Q You mentioned, I think earlier that before
6	last week you had never met or talked to
7	Dr. Christensen, is that right?
8	A That's that may be inaccurate.
9	It may be the case that we met, like 1978,
10	when I was an assistant professor at Northwestern and he
11	gave a talk.
12	But I mean it was one of those things where I
13	vaguely remember I might have been in a seminar he
14	gave. But that's as close as we've ever been.
15	Q He had two co-authors on his FCC study named
16	Schoech and Meitzen.
17	Do you know either of those gentlemen?
18	A No, I do not.
19	Q Have you ever spoken to either of them?
20	A No. No.
21	Q So you never spoke to anyone at Christensen
22	Associates about whether they had checked the
23	accuracy
24	A Nope
25	Q of the data used in his study?
26	A No, I did not.
27	Q Now, if you were presenting a study to the
28	CPUC like we've been discussing, a study of the total

1	factor productivity of the RBOCs
2	A Okay.
3	Q would you expect the CPUC to simply accept
4	your results at face value?
5	A I would hope they would, yes.
6	Q Do you believe that your submission to the
7	CPUC should contain sufficient underlying data to allow
8	the CPUC to replicate your study?
9	A I guess I would think that's a matter of
10	style.
11	I could imagine including everything and
12	having humongous reports for people to wade through, or
13	to present an executive summary, and it's my opinion
14	that, unlike academics, Commissions are much more like
15	firms and prefer simple executive summaries, and if they
16	want any more information they'll ask for it.
17	So I guess, if I were doing it myself, I would
18	present something simple with the highlights, and I
19	wouldn't produce everything, whereas, you know, in an
20	academic situation you might put the details of the
21	calculations, and that sort of thing, in the
22	background.
23	I don't think anyone ever shows the data,
24	though.
25	Q Are you aware that last Wednesday the FCC
26	issued a new Notice of Proposed Rulemaking in Docket
27	94-1?
28	A Nope.

1	Q Were you aware that the FCC was going to be
2	seeking further comments on establishing a mechanism for
3	calculating rates under its price cap rules?
4	A No, I was not.
5	Q I have a copy of it here. I want to read to
6	you a particular statement by the FCC and get your
7	reaction to it.
8	In this order, dated September the 27th, 1995
9	the FCC says the following:
10	"In the first report and order,
11	several parties supported their
12	position on the X factor with one or
13	more statistical studies purporting
14	to measure trends in LEC
15	productivity or unit costs.
16	"In this phase of this
17	proceeding, any party submitting
18	studies, proposed methods for
19	calculating an X factor, or other
20	empirical information must furnish
21	promptly, upon request by Commission
22	staff or any party to this
23	proceeding, workpapers and any other
24	data necessary to replicate the
25	results submitted in this
26	proceeding.
27	"If a party fails to do so, we
20	will accord no weight to those

1	studies, methods, or empirical
2	information in our deliberations."
3	Now, do I take it from the answers you just
4	gave me that you do not believe that is an appropriate
5	standard for a government regulatory body to apply in
6	evaluating productivity studies and calculation of the X
7	factor in a price cap formula?
8	MR. SASSER: Your Honor, I'm going to object to the
9	question. There's a lack of foundation here.
10	The witness said he didn't know anything about
11	the decision, he didn't know he hadn't read it, he
12	was not familiar with it, and then what we have is
13	Mr. Faber reading excerpts from it into the record and
14	then asking him to react to it.
15	I don't think that's fair. The witness is not
16	competent to testify as to what is in that decision.]
17	MR. FABER: Your Honor, I am asking the witness to
18	assume that the decision is as I read it. I will be
19	happy to have it marked as an exhibit if Mr. Sasser
20	insists, but the witness did testify that it's his
21	belief as to the fact that Commissions like to get
22	executive summaries and not to see the underlying data.
23	And all I'm asking now if he therefore
24	believes that the FCC statement that it will accord
25	no weight when that type of material is submitted
26	should it be an appropriate standard for regulatory
27	biennial reviews. It follows directly from the answer
28	that he gave.

1	I don't see the need to mark this hundred-page
2	document as an exhibit just to satisfy Mr. Sasser's
3	concern about whether it is accurate or not.
4	MR. SASSER: That certainly wouldn't satisfy my
5	concern. My concern doesn't go to the accuracy of your
6	quote. My concern goes to asking the witness questions
7	about a document that he's not familiar with.
8	MR. FABER: I'm happy to let him review it if you
9	like.
10	MR. GOLABEK: I would just object to Mr. Faber'
11	characterization there of Dr. Duncan's testimony. I
12	believe he said they preferred an executive summary. If
13	the Commission wants more information, they would as
14	for more information.
15	I think that was a more accurate
16	characterization of his statement of what the FCC is
17	stating.
18	ALJ REED: Dr. Duncan, did you hear Mr. Faber's
19	question?
20	If you can respond to it, please do.
21	THE WITNESS: Could I have it repeated, please?
22	MR. FABER: Certainly.
23	Q You have in mind the language I read to you
24	from the FCC's order?
25	A Yes.
26	Q My question is, given your statements before
27	about your belief that it's appropriate to submit an
28	executive summary rather than the data underlying the

1	study, do you believe that the standard set forth in the
2	FCC order is not an appropriate standard for a
3	regulatory body to use in evaluating total factor
4	productivity studies or X factor recommendations?
5	A I think the regulatory body decides what they
6	want, and this is exactly what I said. I did say that
7	if the Commission wanted more, the Commission would ask
8	for it. So what I believe here the Commission is saying
9	is, Look, henceforth we would like to have all of this
10	information.
11	And my view is if that's what they say, then
12	that's what you provide.
13	You know, let all I was saying was it was
14	my perception that on the average, that Commissions
15	prefer executive summaries and not the details unless
16	they ask for it.
17	This Commission apparently has found a reason
18	to want everything; and, you know, if that's the way
19	they want it, then that's probably what they're going to
20	get, piles of computer output and stuff like that. I
21	it's a matter of taste more than anything else.
22	I have no opinion as to whether it's right or
23	wrong; simply, if that's what the rules are, that's what
24	you do.
25	Q Tell me if you agree with the following
26	statement:
27	"At a minimum, the productivity
28	offset, which includes a

1		productivity factor and a stretch
2		factor, should be reduced from its
3		current level by an amount that
4		reflects the estimated impact of
5		competition on the earnings of
6		efficient, aggressive incumbent
7		suppliers."
8	Α	Read the qualifications again on that?
9	Q	"At a minimum, the productivity
0		offset, which includes a
1		productivity factor and a stretch
2		factor, should be reduced from its
13		current level by an amount that
4		reflects the estimated impact of
5		competition on the earnings of
6		efficient, aggressive incumbent
17		suppliers."
8	Α	Are you applying this to the FCC or here?
9	Q	To this proceeding.
20	Α	To this proceeding.
21		I guess my belief I would go further. So I
22	would	just disagree, and I would say you should get rid
23	of the	X factor entirely because as soon as you say
24	compe	tition, price caps have served their purpose.
25		My view of price caps is they're a transition
26	to com	petition. Competition is here, and as soon as
27	compe	tition is here, you should get rid of the price cap
2	entirely	u.

1	So I would go even further. I would just say
2	get rid of it.
3	Q But you would agree, then, that it is the
4	impact of competition that ought to be taken into
5	account in eliminating the productivity offset?
6	A The impact in a
7	MR. GOLABEK: Your Honor, I'm going to object.
8	This is going beyond the scope of the testimony that was
9	offered by Dr. Duncan in this proceeding. I'm objecting
10	because I think it goes beyond the matters for which
11	Dr. Duncan was put on the stand for us to hear testimony
12	about. He's here to testify with regards to the
13	Christensen study rather than how he perceives the world
14	post competition.
15	ALJ REED: Objection overruled.
16	THE WITNESS: I'm going to have to ask for the
17	question again; I'm sorry.
18	MR. FABER: Q The question was, do you believe the
19	productivity offset ought to be eliminated, as you had
20	suggested, to reflect the estimated impact of
21	competition on the earnings of the incumbent LECs?
22	A I believe it should be eliminated because of
23	part because as soon as you open the markets up to
24	competition, I believe all bets are off, and you're in a
25	situation where competition reigns; there's free entry,
26	and the incumbent is stuck.
27	Q Let's go back for a moment, Dr. Duncan, to
28	page 5 of Exhibit 37, your direct testimony.

1	A My direct testimony.
2	Q Look at lines 21 through 24 of that page. Do
3	you have that in front of you?
4	A Yes, I do.
5	Q You make an assertion there that there is no
6	differential between the input price input prices
7	faced by the local exchange carrier than the input
8	prices faced by the overall United States economy; is
9	hat right?
10	A That's correct.
11	Q That is mainly an empirical question; is that
12	right?
13	A That's correct.
14	Q Putting aside for the moment whether it is
15	true or not, do you agree that the concept of an input
16	price differential is a valid concept?
17	A No.
18	Q You do not believe that the price-cap formul
19	should not even consider the possibility that the input
20	price growth rate for LECs is different from the input
21	price growth rate for the economy as a whole?
22	A No.
23	MR. FABER: That's all I have, your Honor.
24	Thank you, Dr. Duncan.
25	ALJ REED: Thank you, Mr. Faber.
26	Dr. Duncan, I just have one question for you.
27	EXAMINATION
28	BY ALJ REED:

1	Q You spent some time discussing with Mr. Fabe
2	page 4 of your reply testimony where you are discussing
3	some rules regarding the use of structural breaks and
4	the Bush-Uretsky study?
5	A Yes.
6	Q Is it your opinion that Dr. Christensen did
7	not err by breaking the data at the beginning of NRF?
8	A I guess I would put that a little
9	differently. If I'm not answering the question, you can
10	tell me. His results didn't differ from mine. I did a
11	different analysis than he did, which contains what he
12	did as a special case.
13	And since I didn't find anything that would
14	convince me that there is any difference in our results,
15	I didn't go further.
16	So I wouldn't say whether he erred or not. I
17	simply would say that we took two different approaches
18	and came up with results that corroborated one another,
19	which makes me feel quite a bit more comfortable.
20	So I don't really have an opinion on whether
21	that's an error or not.
22	The result is that neither one of us found a
23	deviation between these series using different
24	methodologies.
25	Q So if you are able to corroborate a study,
26	then breaking the data isn't necessarily a problem.
27	A I guess I would have to I would really have
28	to look at the studies. I can see cases in which it

1	it would depend on now it was broken.
· 2	I mean, I could imagine people who want to get
3	the same result and breaking the data in kind of the
4	same place using different methodologies and getting the
5	same same sort of results. So you want to guard
6	against that sort of thing.
7	You really want to have quite different sorts
8	of methodologies, and I typically don't like to break
9	data sets. I would prefer to do an analysis where you
10	look for, like I said, nonstationary or
11	non-cointegration, which is, There's something wrong
12	with this process here.
13	And you look to that and it says, There's
14	something wrong with this process; and you say,
15	Something's wrong.
16	Then you go in and look to see what's wrong.
17	But none of my diagnostics said there was
18	anything wrong with the series. The series looks like a
19	regular, well-behaved, random process with a zero mean
20	So I said, Okay, there's nothing that would suggest
21	otherwise. So to engage in breaking the data at
22	different places, I wouldn't do.
23	And I'm I have to say I'm a little
24	uncertain about what you're saying about Christensen
25	breaking the data at NRF. I mean, you can his
26	regression analysis, I don't believe, did that. I'd
27	need to check. Certainly, my analysis didn't.
28	When you break the data at NRF, as I did in

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1 one of my straw-men examples, you know, you find that in 2 fact the telecom price index is growing faster than the 3 U.S. economy since then. But again, you know, I worry 4 about putting stuff in there. I wouldn't use that 5 methodology. 6 I wouldn't come to you and say, Look, since 7 NRF, U.S. Telecom's price index has been going up 8 faster, and so you should reduce it even more. 9 I just say, Look, these are all consistent 10 with a random process with a zero mean. You know, it's 11 like tossing a coin. Every now and then you're going to 12 get six heads in a row; then you get two tails in a 13 row. You don't say, Oh, look something's changed. You 14 say, These things happen. 15 In a random series, these things are going 16 on. I don't know if I'm being responsive to you or 17 not. I wouldn't break the data. I wouldn't necessarily 18 say that somebody else who breaks it erred. I wouldn't 19 break it. 20 ALJ REED: Okay. Thank you. 21 Mr. Golabek, did you have any redirect? 22 MR. GOLABEK: Yeah, I just have one redirect 23 question, your Honor. 24 REDIRECT EXAMINATION 25 BY MR. GOLABEK: 26 O Dr. Duncan, during your cross-examination by 27 Mr. Faber, he asked you about a particular footnote in a

text, I believe, by Walter Nickelson, and that footnote

28

1	stated that:
2	"Capital and labor inputs are
3	assumed to be homogeneous. This is
4	a great simplification since there
5	are, in reality, numerous kinds of
6	labor and many types of machines.
7	The recognition that these inputs
8	are in fact inhomogeneous raises
9	many technical problems in the
10	theory of aggregation."
11	And he asked you if you agreed with that, and
12	you said no you didn't agree with it. And then you
13	offered to tell us why.
14	Can you tell us why at this point?
15	A Yes. When one does theory, one makes
16	assumptions that are valid and make the analysis
17	easier. So you want to do both things.
18	Assuming inhomogeneous inputs that is,
19	inputs that aren't the same it just makes life very
20	difficult, and it's not necessary. And so the whole
21	point is, it's not necessary to assume inhomogeneous.
22	If you do, you just make life terribly, terribly
23	difficult for you.
24	It's not a simplification in a sense that we
25	are ignoring some feature of the economy, that we're
26	simplifying something away and making things less real
27	We're saying, Look, we're just organizing things so it's
28.	easier for us to work on this without giving up any of

T	me reamy.
2	And so when I said the simplification when
3	I disagreed with that, I wanted to make it clear that
4	it's it's a way of thinking about things that doesn't
5	detract from reality at all, just making sure you put
6	things in the right box so then it's easy to talk
7	about. So that's why I disagree.
8	MR. GOLABEK: That's all I have, your Honor.
9	ALJ REED: Thank you, Mr. Faber.
0	MR. FABER: Real briefly.
1	RECROSS-EXAMINATION
2	BY MR. FABER:
3	Q Dr. Duncan, you just said assuming
4	inhomogeneous is not difficult is difficult and not
5	necessary.
6	I was asking you before about the term
7	nonhomogeneous inputs, and you tried to define it as
8	inputs that are different.
9	A That's correct.
0.	Q And are you using the word inhomogeneous as
1	Nickelson does, in the same way?
22	A Yeah, inhomogeneous and nonhomogeneous. I'm
23	using in the same way that basically you mean inputs
24	that are not identical and that you want to somehow give
25	them the same label.
26	Q Thank you.
27	A And I just say, you know, that's not the
28	definition of an input. And when people have tried to.

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I	you know, say, Well, you know, labor isn't homogeneous
2	because people are different. All right, it turns out
3	that's an error because it isn't it isn't the person
4	that's the input, it's the job that's the input. And a
5	person fills the job.
6	And so I'd like to give the example of
7	McDonald's, okay, somebody working in McDonald's, any of
8	us in this room or high school students that work in
9	McDonald's.
10	McDonald's jobs of a given type are the same.
11	The people in the jobs are different, but the job's the
12	same, and it gets paid the same, and it doesn't really
13	matter whether you're in it, or I'm in it, or our sons
14	or daughters are in it. Presumably, that job gets done
15	the same way regardless of who's in it, you know, up to
16	some level.
17	If they don't do the job, they get fired. So
18	the job is what the input is, and that job is
19	homogeneous. And that's the sense in which economists
20	look at these things.
21	Q Is labor used by McDonald's and labor used by
22	the LEC industry, for example, homogeneous as an
23	entity?
24	A The labor or the labor input?
25	Q The labor input.
26	A No, they're different well, it depends. I
27	mean, I I am 99 percent sure the people who work in
28	our cafeteria are doing the same job that people in

1	McDonald's do. So I would say that for input, the labor
2	is homogeneous.
3	Q But not for the people working in McDonald's
4	versus the people laying fiberoptics for GTE California,
5	certainly.
6	A Not people; the jobs. The jobs are different
7	jobs.
8	Q And they're not and the labor input to
9	those jobs is not homogeneous, is it?
10	A Well, the job is a different job. I think of
11	the input as the job, okay? So it's the number of hours
12	of a person laying fiber in a particular way. That's
13	what the job is, okay? And that's what the input is,
14	and that's homogeneous.
15	Now, I can do that, or you can do that, or
16	somebody else can do that, and the people in there may
17	have different abilities, different capabilities. And
18	we assume that people who can't do it are don't get
19	those jobs, and people who can do it can differ in lots
20	of ways as human beings. But the job and that's
21	what's relevant to determining productivity the job
22	itself is identical.
23	So fiber laying jobs are identical.
24	MR. FABER: Okay. Thank you.
25	ALJ REED: Mr. Golabek.
26	MR. GOLABEK: Yeah, nothing further.
27	At this point I would like to move the
28	testimony previously marked as Exhibits 37 and 38 into

1	the record.
2	ALJ REED: Any objection?
3	(No Response)
4	ALJ REED: Exhibits 37 through 38 are received into
5	evidence.
6	(Exhibit Nos. 37 and 38 were
7	received into evidence.)
8	MR. FABER: Your Honor, I move for the admission of
9	Exhibits 39 and 40.
10	ALJ REED: Any objection?
11	(No Response)
12	ALJ REED: Exhibits 39 and 40 are received into
13	evidence.
14	(Exhibit Nos. 39 and 40 were
15	received into evidence.)
16	MR. FABER: Thank you.
17	ALJ REED: Thank you, Dr. Duncan; you're excused.
18	Off the record.
19	(Off the record)
20	ALJ REED: On the record.
21	DENNIS W. EVANS
22	resumed the stand and testified further as follows:
23	ALJ REED: Ms. Burdick?
24	CROSS-EXAMINATION
25	BY MS. BURDICK:
26	Q Good morning, Mr. Evans.
27	I'm Lee Burdick. I represent the California
28	Cable Television Association.